

## MPEG File Format Optimization for Streaming

### ABSTRACT OF THE DISCLOSURE

5 MPEG data is packetized and streamed using a two phase procedure. First, the  
system parses MPEG data and reformats it into RTP sized packets in preparation for  
conversion to an RTP stream. This reformatting phase is done prior to streaming and  
typically only performed once for each MPEG file and network type. After reformatting, the  
10 MPEG data is contained in a modified MPEG bitstream that includes annotations that inform  
a network server that the modified MPEG stream is specially reformatted to facilitate RTP  
packetization. In the second phase, a network server encapsulates the reformatted MPEG  
data within RTP packets and streams the data onto the network for real-time playback. As a  
result of reformatting the MPEG data prior to transmission, the real-time demands of an  
MPEG to RTP conversion are greatly reduced.

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